DIRECTIONS: Provide one form with original approval signatures in lines 1 - 4 for each proposed action. Keep this form to one-page in length. Forms and appropriate attachments should be submitted to the Office of Academic Affairs, who will assign a Log Number to each proposal. Also submit an electronic version of as much of the proposal as is possible.

DATE SUBMITTED: 4/12/2004

COLLEGE/SCHOOL: CMPS

DEPARTMENT/PROGRAM: GEOL

PROPOSED ACTION (A separate form for each) ADD ___ DELETE ___ CHANGE X

DESCRIPTION (Provide a succinct account of the proposed action. Details should be provided in an attachment. Provide old and new sample programs for curriculum changes.)

This is a proposal for the conversion of the Citation in Earth Material Properties to a Minor in Earth Material Properties. See attached.

JUSTIFICATION/REASONS/RESOURCES (Briefly explain the reason for the proposed action. Identify the source of new resources that may be required. Details should be provided in an attachment.)

To assure compliance with the University Senate's and President's mandated phaseout of departmental citations. This change requires no additional resources. See attached.

APPROVAL SIGNATURES

1. Department Committee Chair [Signature] 4/12/04
2. Department Chair [Signature] 4/17/04
3. College/School PCC Chair [Signature] 4/21/04
4. Dean [Signature] 4/21/04
5. Dean of the Graduate School (if required) 
6. Chair, Senate PCC [Signature] 5/19/04
7. Chair of Senate 
8. Vice President for Academic Affairs & Provost [Signature] 5/11/04

VPAAP Rev. 3/1/04
MEMORANDUM

TO:    Stephen Halperin  
       Dean, College of Computer, Mathematical and Physical Sciences

FROM:  Victor Korenman  
       Associate Provost for Academic Planning and Programs

SUBJECT: Proposal to Convert the Existing Citation in Surficial Geology to a Minor in Surficial Geology (PCC Log No. 03053)

At its meeting on May 6, 2004, the Senate Committee on Programs, Curricula, and Courses approved your proposal to convert the existing citation in Surficial Geology to a Minor in Surficial Geology. A copy of the approved proposal is enclosed.

This approval is effective in Fall, 2004. All advisors should be notified and the College should ensure that the approved guidelines are followed.

Enclosure

Cc: Dr. Sylvester J. Gates, Chair, Senate PCC  
    Dr. Mary Giles, University Senate  
    Ms. Barbara Hope, Data Administration  
    Dr. Phyllis Peres, Undergraduate Studies  
    Ms. Anne Turkos, Archives  
    Dr. Scott Wolpert, College of Computer, Mathematical and Physical Sciences  
    Dr. Linda Yokoi, Records & Registrations
Proposal for a Minor in Surficial Geology

1. This is a proposal to convert an existing citation into a minor.

2. Catalog Description

This minor will provide students with a sophisticated understanding of geological processes shaping land surfaces. Building on a three-course base of fundamental knowledge about surficial geological processes, the program is completed by an advanced course in Sedimentology or Hydrology. Students attempting this minor will need a strong background in Chemistry at the level of CHEM 103. Depending on the advanced course chosen, MATH 140 and GEOL 322 (Mineralogy) may also be prerequisite. This minor will be of particular relevance to students with broad interests in Geology, Geography, Environmental Studies, and Climatology.

Courses required for the minor are:

- One of the following:
  - GEOL 100/110 Physical Geology (4)
  - GEOL 120/110 Environmental Geology (4)
- GEOL 123 Causes and Implications of Global Change (3)
- GEOL 340 Geomorphology (4)

In addition, the student must choose two from the following:

- GEOL 342 Sedimentation and Stratigraphy (4)
- GEOL 451 Groundwater (3)
- GEOL 452 Watershed and Wetland Hydrology (3)
- GEOL 331 Principles of Paleontology (4) (N.B. The change of the name of this course from Invertebrate Paleontology to Principles of Paleontology is currently underway.)

Depending on the optional course taken, there is a total of 17 - 19 required credits. All courses presented for the minor must be passed with a grade of C or better.

Declared Geology majors and students who have completed the major may not also minor in Surficial Geology.

The proposed curriculum differs from the current Earth History Citation in that:
- It allows students to choose between GEOL 100 and GEOL 120. This is consistent with current revisions to prerequisites in GEOL undergraduate courses.
- Two optional courses must be chosen instead of one. GEOL 331 has been added to this list.

3. Oversight and Record Keeping

Oversight of this minor program will be through the normal academic processes of the
Department of Geology. The department's Undergraduate Director will be responsible for ensuring that students are properly advised and that records are appropriately kept.

4. Prerequisites

CHEM 103 is not included as a specific minor requirement because it is likely already to be part of the major requirements for students who will be interested in this minor. MATH 140 and GEOL 322 are omitted because they are not prerequisites for any required course of the minor.